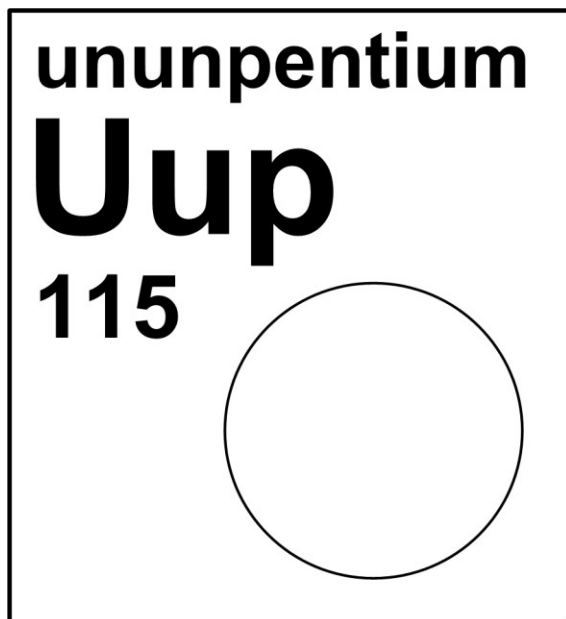





Ununpentium



²⁸⁷ Uup	²⁸⁸ Uup	²⁸⁹ Uup	²⁹⁰ Uup	²⁹¹ Uup
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Stable isotope	Atomic mass	Mole fraction
(none)		

Half-life of radioactive isotope

Less than 1 second	
Between 1 second and 1 hour	
Greater than 1 hour	

Important applications of stable and/or radioactive isotopes

Ununpentium is Latin for one-one-five (un-un-pentium) and this is a temporary place holder name for this element until further research is conducted.

⁴⁸Ca and ²⁴³Am were bombarded together in a cyclotron during a series of experiments from July 14, 2003 to August 10, 2003. In February 2004, the results from these experiments were released in a report that stated element 115 had been synthesized. The scientists credited for this find are from the Joint Institute for Nuclear Research in Russia in association with scientists at the Lawrence Livermore National Laboratory in the USA.

Applications: Ununpentium has no known isotopic applications aside from scientific research.

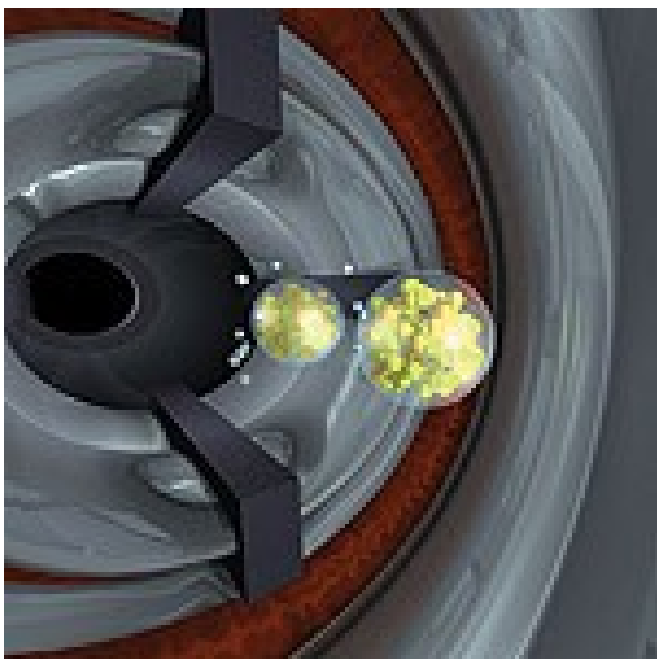


Figure 1: Accelerated ^{48}Ca ion colliding with a ^{243}Am atom in a cyclotron creating elements 115 and 113. (Photo Source: Ernest Orlando Lawrence Berkley National Laboratory, University of California).